IUPHAR Nomenclature Reports

International Union of Basic and Clinical Pharmacology, LXXIV. Apelin Receptor Nomenclature, Distribution, Pharmacology, and Function
Sarah L. Pitkin, Janet J. Maguire, Tom I. Bonner, and Anthony P. Davenport

International Union of Basic and Clinical Pharmacology, LXXV. Nomenclature, Classification, and Pharmacology of G Protein-Coupled Melatonin Receptors
Margarita L. Dubocovich, Philippe Delagrange, Diana N. Krause, David Sugden, Daniel P. Cardinali, and James Olcese

International Union of Basic and Clinical Pharmacology, LXXVI. Current Progress in the Mammalian TRP Ion Channel Family
Long-Jun Wu, Tara-Beth Sweet, and David E. Clapham

Review Articles

Glutamate Receptor Ion Channels: Structure, Regulation, and Function

Frequent Deregulations in the Hedgehog Signaling Network and Cross-Talks with the Epidermal Growth Factor Receptor Pathway Involved in Cancer Progression and Targeted Therapies
Murielle Mimeault and Surinder K. Batra

cGMP-Dependent Protein Kinases and cGMP Phosphodiesterases in Nitric Oxide and cGMP Action
Sharron H. Francis, Jennifer L. Busch, and Jackie D. Corbin

Correction to “Beyond Desensitization: Physiological Relevance of Arrestin-Dependent Signaling”

About the cover: X-ray structure of the membrane-spanning tetrameric GluA2 ionotropic glutamate receptor viewed from the side (left) and front (right) perpendicular to the membrane. See also Fig. 1 in the article by Traynelis et al. on page 405 of this issue.